LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

Class 50-2 TRUCK Dept. DRAWING ROOM.

CONSTRUCTION ORDER No.	SHOP NUMBERS	DATE
397	3231	7-3-'23

397
3231

397
50-2
3231

FORM LED 60

397
(3231)
50-2 TRUCK

ADDITIONS AND CHANGES

392

ADDITIONS

DATE	Page	ITEMS	Check
7-17-23.	18	50-41	
7-23-23.	14	58	
8-1-'23	7	28	
8-2-'23	14	26-28-29	
8-9-'23	10	1	
8-16-'23	3	56	
8-25-'23	3	28	
9-17-23	25	29	

ADDITIONS

DATE	Page	ITEMS	Check

CHANGES

DATE	Page	ITEMS	Check
7-6-'23	13	19	
7-16-23	21	20	
7-17-23.	18	47	
7-20-23.	10	50	
7-20-23	26	54 TO 57	
7-23-'23.	14	56	
" " "	4	31-32-33-34	
7-24-23	26	45-46	
8-2-23.	27	5,6,7,	
8-29-'23.	12	19	
" " "	12	13-15	

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
✓	1	ASH PAN	1	11956 LINE 5	PLATE	—	—	—	—	—
✓	2	" Pan Material Bill	1 SET	10 M.O. 5000-A		—	—	—	—	—
	3	" " Hopper								
	4	" " Slide								
	5	" " Door Frame								
	6	" " Slide Frame								
	7	" " Door Links								
	8	" " Damper Rigging								
✓	9	" " " Bell Crank	1	11956		119F71	Z	Z	Z	Z
✓	10	" " " " " Fulcrum	1	"	BAR STOCK	—				
✓	11	" " " Hinge	4	$5\frac{1}{2}'' \times 2'' \times 7\frac{1}{2}''$	HALF BUTT.	—				
	12	" " " " Lug	—							
	13	" " " " Bar	—							
✓	14	" " " Lift—Front	1	11956		119F85	Z	Z	Z	Z
✓	15	" " " " —Rear	1	"		119F86				
✓	16	" " " Lug	1	"		119F53				
✓	17	" " " "	1	"		119F34				
✓	18	" " " Rod Jaw	1	"		119F31				
✓	19	" " " " "	1	"		119F67				
	20	" " Netting Frames								
	21	" " Slide Rigging								
	22	" " " Rod								
	23	" " " Jaw								
	24	" " Shaft Bearing								
✓	25	" " Cleaning Door Hinge	4	$4\frac{1}{2}'' \times 1\frac{3}{4}'' \times 6''$	HALF BUTT	—	—	—	—	—
	26	" " Bell Crank Bracket								
	27									
	28									
	29									
	30	GROUP 11—AXLES								
✓	31	AXLE	4	112A5020	#164	112A5020	—	—	—	—
	32	"	—							
	33	GROUP 12—BELL								
✓	34	BELL	1	122A5016				Z	12-1	Z
✓	35	" Frame	1	123A5000			12-4			
✓	36	" " Base	1	122A5013			12-152			
✓	37	" Yoke	1	123A5000			12-5			
✓	38	" " Nut	1	122A5011			12-6			
✓	39	" " Pin	1	123A5000						
✓	40	" Crank	1	122A5010			—	Z	Z	12-7
✓	41	" Tongue	1	122A5017			—			12-2
✓	42	" " Fulcrum	1	122A5018			12-3			—
	43	" Ringer Bracket	—							
✓	44	" Rope ~~Details~~ SCREW EYE	— 3	TO SUIT ERECT. SHOP	PURCHASED.					
✓	45	" " Sheave	1	122A5019			12-21	Z	Z	Z
✓	46	" " " Chair	1	122A5022			12-20			
✓	47	" " " Frame	1	122A5020			12-18			
✓	48	" " Thimble	1	122A5021			12-19			
	49	" " " Washer								
	50	" Ringer								
	51									
	52	GROUP 13—BOILER								
✓	53	Boiler Plan	1	138M5001		—	—	—	—	—
	54	" Sections	—							
✓	55	" Material Bill	1 SET	M.O. 2712		—	—	—	—	—
✓	56	" Bracing List	1 "	138M5001		—	—	—	—	—
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS								
	1	Boiler Brace Rod Ends	22	11754 SET 12		117-F-201	—	—	—	—
	2	" " " "	4	310D165		310-S-104	—	—	—	—
	3	" " " "								
	4	" " " "								
	5	" " " "								
	6	" " " Lugs	4	310D265		310S29	—	—	—	—
	7	" " " "								
	8	" " " "								
	9	" " " "								
	10	" " " Jaws	22	310D148		310S64	—	—	—	—
	11	" " " "	4	310D265		310S186	—	—	—	—
	12	" " " "								
	13	" " " "								
	14	" " " "								
	15	" " " "								
	16	" Sling Stay								
	17	" " "								
	18	" Throat Brace	6	142A139		142A139	—	—	—	—
	19	" " "								
	20	" Crown Bars								
	21	" " Roof Irons								
	22	" Stay Bolt	263	4535 LINE 1						
	23	" " "	391	" " 2						
	24	" Radial Stay	120	11721 LINE 2						
	25	" " "	68	11745						
	26	" " "	16	TATE						
	27	" ~~Cross Stay~~ " SLEEVES	16	" STYLE H	PURCHASED					
	28	" ~~Tee Bar~~ " CAPS	16	" " D						
	29	" TEE BARS	2	22" LONG						
	30	" " "	2	19½" "	6"x1"x5¼"x1¼"					
	31	" " "	2	10" "						
	32	" " "	1	32" "						
	33	" " "								
	34	" Mud Ring	1	143B5002		—	—	14-111	—	—
	35	" Tube Sheet Ring								
	36	" " " Studs	-							
	37	" Smoke Box Ring	1	138M5001		14A5000	—	—	—	—
	38	" " " "								
	39	" Tube (small)	151	2" O.D. .109" THICK 9'-1" LONG.		—	—	—	—	—
	40	" Flue (large)								
	41	" Combustion Tubes								
	42	" Tube Setting	1 SET	11632 STYLE 4		—	—	—	—	—
	43	" Flue "								
	44	" Test Plate	1	420D449		—	—	—	—	—
	45									
	46	GROUP 15—BOLTS AND NUTS								
	47									
	48	GROUP 18—BRACKETS								
	49	Air Gauge Bracket	1	182B5073		—	18-27	—	—	—
	50	Steam Gauge Bracket								
	51	Bottom Bracket	1	A-15522 LINE 2			—			
	52	" " Caps	4	182A5029			—	18-3		
	53	" " Bearing—Top	4	182C5036				18-32		
	54	" " " —Bottom	4	182B5041			18-29			
	55	" " " Wedge	4	182A5015			18-30			
	56	" " Wedge Screw	4	182A5022			18-31			
	57	" " " " Nut	4	"	BAR STOCK	182A5022				
	58	" " " " Cap	4	182B5075		182B5075				
	59	Steam Bracket	1	A-15691 LINE 3						
	60	" " —Back					18-18-R			
	61	" " Brace	1	182A5079		182A5079	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE EQUIPMENT								
	1	BRAKE CYLINDER	1	13543 LINE 5		—	20-13	—	—	—
	2	" "	—							
	3	" " Head	2	202A5097		—	20-11	—	—	—
	4	" " "	—							
	5	" " Stuff. Box Gland	2	202A5091		—	20-12	—	—	—
	6	" " " " "	—							
	7	" Piston	2	202A5053		—	20-14	—	—	—
	8	" "	—							
	9	" " Rings, Mat'l For	4	653C5002	Pot Pattern	—	65-15	—	—	—
	10	" " " " "	2	3176 LINE 3	" "	—	65-106	—	—	—
	11	" " " " "	—		" "					
	12	" " " " "	—		" "					
	13	" " Rod—Front	1	13502 SET 3	41 3/8"	135F59				
	14	" " " —Rear	1	"	45 1/4"	135F57				
	15	" " "	1	202B5169		202B5169				
	16	" " " Jaw	1	"		"				
	17	" Hollow Piston Rod	2	20" x 1 9/16" DIA.	TURN FROM 1 1/4" PIPE					
	18	" " " "								
	19	" Strut								
	20	" "								
	21	" Reservoir Blocks								
	22	" " Support	2	202D5026		—	—	20-109-A	—	—
	23	" Aux " " " & Blocks	2	TO SUIT ERECT. SHOP	BLOCKS MADE OF WOOD.	TO SUIT ERECT. SHOP.				
	24	" " "								
	25	" " " Strap	2	202D5026		134F782	—	—	—	—
	26	" Pump Bracket	1	202A5085		—	—	20-637	—	—
	27	" " "	—							
	28	" Cyl. Lever Fulcrum	2	13449		—	20-197	—	—	—
	29	" Equipment	1 SET	20M.O.5013-C		—	—	—	—	—
	30	" Valve	1	203A5010	#5					
	31	" " Base	1	202A5138			20-38			
	32	" " Cap	1	202A5137			20-39			
	33	" " Slide Valve	1	202A5133			20-40			
	34	" " Stem	1	202A5136	BAR STOCK					
	35	" " Handle	1	202A5139						20-44
	36	" " " Latch	1	202A5134	BAR STOCK					
	37	" " Stuffing Box	1	202A5132	STICK BRASS					
	38	" " " " Nut	1	"	" "					
	39	" " " " Follower	1	"	" "					
	40	" " Bracket	1	TO SUIT ERECT. SHOP.		TO SUIT ERECT SHOP.				
	41	" " " Brace	1	" " " "		" " " "				
	42	" Distributing Valve Bracket	2	487D5028		134F862				
	43	" Relief Valve	3	202A5140					20-71	
	44	" " " —Top	3	"	STICK BRASS					
	45	" " " —Base	3	"					20-73	
	46	" —Frame Body	—							
	47	" Lever—Frame	2	487D5028		134F960				
	48	" " "	2	"		134F42				
	49	" " "	2	"		134F946				
	50	" ~~Rod~~ "	#	#		~~#~~				
	51	" " "	—							
	52	" " "	—							
	53	" " Fulcrum—Frame	2	13442 SET 2	PLATE	FIN. SIZES 3/4" x 4" x 5"	—	—	—	—
	54	" " " PIN "	2	" "	FURNISH NUT	1 1/8" x 2 7/8"	—	—	—	—
	55	" " " "								
	56	" " Guides "	2	487D5028		184F34				
	57	" " " "	2	487D5028		134F866				
	58	" " " "	1	"		20K5010				
	59	" " " "	1	"		20E5092				
	60	" " " "	1	"		134F1098				
	61	" " " "	1	"		134F1097				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE (Cont.)								
	1	Brake Cylinder Bracket—Frame	1	487D5028		134F940				
	2	" " " "	2	"		134F942				
	3	" ~~Rods~~ " "	1	"		134F955				
	4	" RODS "	2	"		134F266				
	5	" " "	1	"	LENGTH TO SUIT E.S.	134F318				
	6	" " "	1	"	" " " " "	134F319				
	7	" " "	4	"		$\frac{1}{2}$"x$2\frac{1}{2}$"x$12\frac{1}{2}$"				
	8	" " "								
	9	"								
	10	" Beam— Truck	4	A-9810 LINE 1		—		—		
	11	" " Fulcrum "	4	9801 SET 8		—		20-87		
	12	" " Safety Chain "	8			N 5059 20 ~~H5033~~				
	13	" " Loop "	—							
	14	" Hanger "	~~6~~ 8			20 C 5027				
	15	" " Lug "	8	202A5105		20 E 5027		—		
	16	" Heads "	8	203A5009		—		20-6		
	17	" Shoes "	8	202A5104	(S) PAT. 20-8 PURCHASED			20-22		
	18	" Lever "	2	9809 SET 6		98F71				
	19	" " "	2	"		98F107				
	20	" " "	2	"		98F108				
	21	" ROD PINS "	4	202C5016		202C5016				
	22	" " "	14	202M5016		202M5016				
	23	" " "	—							
	24	" Rod "	2	9808 SET 9		98F81				
	25	" " "	2	"		98F165				
	26	" " "	2	"		98F170				
	27	" " "	2	"		98F175				
	28	Truck Bolster Lever Fulcrum	2	3717 LINE 1		—		20-196		
	29	" " Stop Lug	—							
	30	GROUP 21—BUMPERS								
	31	End Timber Arrangement—Front	1	213~~G~~H5008	WOOD					
	32	" " " —Rear	1	213~~H~~G5008						
	33	" " Channels—Front	1	213~~G~~H5008	12"-40# CHANNEL					
	34	" " " —Rear	1	213~~H~~G5008	102" LONG					
	35	" " Drawhead Blocks	2	20"x11"x4	WOOD					
	36	Push Pole Pocket	4	212A5002			21-7			
	37									
	38									
	39	GROUP 22—CAB								
	40	Cab	1	223A5021		—	—	—	—	—
	41	" Material Bill	—							
	42									
	43									
	44	GROUP 23—CAB DETAILS								
	45	Cab Arm Rest	2	1116 5 LINE 5		—				
	46	" Joint Plate	4	TO SUIT MILL	PLATE	—				
	47	" Strap	6							
	48	" Saddle Angle	1	A-1115 7 SET 7		111F46				
	49	" " Plate	1	"	PLATE	111F27				
	50	" Sash Fixture	—			—				
	51	" Storm Window	1							
	52	" " "								
	53	" " " Adjusting Bar	1							
	54	" " " " Plate								
	55	" Awning								
	56	" Curtain								
	57	" " Rod								
	58	" Door Fixture								
	59	" " " Clamp	2	232A5019		—				23-3
	60	" " " " Screw	2	232A5018		—				23-2
	61	" " " " Slide Bar	2	232A5023		$\frac{1}{4}$"x$\frac{3}{4}$"x28"				—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Malleable Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Door Fixture Rod	1	232A5020		232A5020	—	—	—	—
	2	" Ventilator	—							
	3	" " Fixture	—							
	4	" " Handle	1	11145		111F30	—	—	—	—
	5	" " " Hinge	1	"		111F31				
	6	" " " Latch	1	"		111F32				
	7	" " Rod								
	8	" Seat—Right	1	232A134	WOOD	—	—	—	—	—
	9	" " —Left	1	"		—				
	10	" " ~~Back Support~~ POST HINGE	2	"		23A147				
	11	" " Cushion	—							
	12	" " Post	2	232A134		23A148	—	—	—	—
	13	" " Hinge	4	6" STRAP HINGE	PURCHASED	—	—	—	—	—
	14	" " Rod	—							
	15	" Tool Box	1	A-11154	WOOD	—	—	—	—	—
	16	" DOOR LOCKS	2	YALE NIGHT RIM LATCH - PURCHASED		—	—	—	—	—
	17									
	18									
	19									
	20	**GROUP 26—COCK AND VALVES**								
	21	Air Sander Valve	2	1/4" GLOBE #1807 CRANE						
	22									
	23	Angle Valve								
	24	" " Cap								
	25	" " Stem								
	26	" " Gland								
	27	" " Nut								
	28									
	29	Ash Pan Cock	—							
	30									
	31	Bell Ringer Valve	—							
	32									
	33	Blower Valve	1	3/4" ANGLE UNION OUTLET #1813 CRANE						
	34	" " Cap								
	35	" " Stem								
	36	" " Gland								
	37	" " Nut								
	38	Blow Off Cock	1	1 1/2" CRANE						
	39	" " " Cap								
	40	" " " Plug								
	41	" " " Nut								
	42	" " " Washer								
	43	" " Extension								
	44	Blow-off Valve								
	45	Injector Starting Valve	2	1 1/2" ANGLE-MALE INLET & 1 3/4" G.P. UNION #1811 CRANE						
	46	" " " Cap								
	47	" " " Stem								
	48	" " " Gland								
	49	" " " Nut								
	50	Brake Stop Valve—Steam	1	3/4" ANGLE MALE INLET #1811 CRANE						
	51	" " " —Air	1	1" ANGLE	& UNION OUTLET #1811 CRANE					
	52	" " " —Inter.	1	1" GLOBE #1807 CRANE						
	53									
	54	Cinder Swipe Valve	—							
	55									
	56	Cylinder Cock	6	1/2" UNION BIBB		—	—	—	—	—
	57	" " Nut								
	58	" " Shank								
	59	" " Valve								
	60	" " Cap								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
m	1	Drip Valve Brake Exhaust Drain	1	1/2" GLOBE #1807	CRANE					
m	2	" " Check Pipe "	2	1/2" "	" "					
m	3	" " Exhaust " "	1	1/2" "	" "					
m	4	" " Steam Chest "	1	1/2" "	" "					
m	5	" " Water Gauge "	1	1/4" AIR COCK						
	6									
	7	Drip Cock—Brake Exhaust Drain	—							
m	8	" " — " " " —Air	1	1/4" AIR COCK		—	—	—	—	—
	9	" " —Check Pipe Drain	—							
m	10	" " —Fuel Sprinkler Drain	1	1/4" AIR COCK		—	—	—	—	—
m	11	" " —Siphon Drain	1	3/8" " "		—	—	—	—	—
	12	" " —Oil Heater Drain	—							
m	13	Generator Valve	1	3/4" CRANE #1811		—	—	—	—	—
	14	" " Cap								
	15	" " Stem								
	16	" " Gland								
	17	" " Nut								
	18									
	19	Feed Cock	—							
	20	Heater Valve	—							
	21									
	22	Lubricator Valve								
	23	" " Extension								
	24	Oil Burner Valves								
	25	" Heater "								
	26	" Tank Blow-Back Valve								
	27	" " Heater Valve								
	28	Oil Cock								
	29	" " Cap								
	30	" " Plug								
	31	" " Spring								
	32	" " Washer								
	33									
	34	Plug Cock—Injector Check								
	35	" " Cap								
	36	" " Plug								
	37	" " Nut								
	38	" " Washer								
	39									
	40	Port Cock	—							
	41									
m	42	Siphon Valve	1	1 1/2" ANGLE-MALE INLET #1811 CRANE						
	43									
m	44	Sprinkler Valve	1	1/2" GLOBE #1807 CRANE						
	45	" " Cap								
	46	" " Stem								
	47	" " Gland								
	48	" " Nut								
	49									
	50									
m	51	Steam Gauge Cock	1	1/4" CYL. COCK LEVER HANDLE & 3/8" C.P. UNION						
	52									
m	53	Steam Gauge Cock Extension	1	11464 STYLE 1 STICK BRASS						
	54									
	55	Tire Sprinkler Valve	—							
	56									
	57	Through Valve								
	58	" " Cap								
	59	" " Stem								
	60	" " Gland								
	61	" " Nut								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS AND VALVES (GAUGE, WATER AND SPECIAL)								
m	1	Gauge Cock	3	3/4" NATHAN TYPE 272A1001 EXCEPT 3/4" P. THD.						
	2	" " Valve								
	3	" " Cap								
	4	" " Stem								
	5	" " Gland								
	6	" " Nut								
	7									
	8									
	9	Gauge Cock Extension	—							
m	10	" " Dripper	1	272A5006		—	27-38	—	—	—
	11									
	12									
	13	WATER GAUGE	1	#9 REFLEX						
m	14	" " Upper Fitting	1	3/4" NATHAN						
	15	" " " " Cap								
	16	" " " " Valve								
	17	" " " " Stem			THD. 3/4" P. SIZE					
	18	" " " " Gland			LENGTH TO SUIT ERECT. SHOP					
	19	" " " " Nut								
	20	" " " " Washer								
m	21	" " Lower Fitting	1	3/4" NATHAN						
	22	" " " " Cap								
	23	" " " " Valve								
	24	" " " " Stem								
	25	" " " " Gland								
	26	" " " " Nut								
	27	" " " " Washer								
m	28	" " Cock Elbow	1	272A5003		—	—	—	27-9	—
m	29	" " Lamp Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP	—	—	—	—
	30	" " Marker "								
	31	" " " " Clamp								
	32	" " "								
	33	Water Gauge Extension								
	34	Water Gauge Cock								
	35									
	36	GROUP 28—COCK RIGGING								
	37									
m	38	Blow-off Cock Rigging	1 SET	A-11405		Z	—			
m	39	" " " Handle	1	732A5027			73-6	—	—	—
m	40	" " " Rod	1	3/8 PIPE TO SUIT E. S.			—			
	41	" " " "	—							
m	42	" " " " Jaw	1	A-11405		114F4	—	—	—	—
	43	" " " Lever	—							
	44	" " " " Fulcrum	—							
	45									
m	46	Cylinder Cock Rigging	1 SET	7329 LINE 2		—	—			
m	47	" " Eye Bolt	3	282A5005		282A5005	—	Z	Z	Z
m	48	" " ~~Hand Lever~~ HANDLE	1	282A5006		—	28-2			
	49	" " " " Fulcrum	—							
m	50	" " Rod	1	70 5/8" x 3/4" DIA.	C.R. STEEL	—	—	—	—	—
m	51	" " " Lever	3	282A5004		—	—	—	—	28-1
	52	" " " Jaws	~~3~~	7						
m	53	" " Valve Lever	3	7329 LINE 2	C.R. STEEL	FIN. SIZES 3/16 x 5/8 x 16 1/4"	—	—	—	—
	54	" " " " Connection								
	55	GROUP 30—CROSSHEAD								
m	56	Crosshead	3	302A5020		Z	—	30-5	Z	Z
m	57	" Shoe	6	302A5021			30-6	Z		
m	58	" " Bolts	6	302A5020			Z			
m	59	" Pin	3	302A5049	MACH. STEEL					
m	60	" Key	3	302A5036	CHROME VANADIUM					
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 31—CYLINDER								
	1	CYLINDER	2R	314A5004			31-2	—		
	2	"	1L	"			31-3	—		
	3	" Frame	2R	15936			—	31-56		
	4	" "	1L	"			—	31-56		
	5	GROUP 32—CYLINDER DETAILS								
	6	Cylinder Head	3	322A5033		—	32-37	—	—	—
	7	" " Casing	3	322A5034	PRESSED STEEL	—	—	—	—	—
	8									
	9									
	10	Steam Chest Cover	3	322A5015		—	32-33	—	—	—
	11	" " Casing	3	322A5039	PRESSED STEEL	—	—	—	—	—
	12	Valve Chamber Head								
	13	" " "								
	14	" " Cover								
	15	" " Bushing								
	16									
	17									
	18	GROUP 34—CYL BY-PASS & RELIEF VAL								
	19	Steam Chest Relief Valve	3	7432 LINE 1	STICK BRASS				—	
	20	" " " " Base	3	"					34-3	
	21	" " " " Cap	3	"					34-2	
	22									
	23									
	24									
	25									
	26	GROUP 35—DIE WORK								
	27									
	28									
	29									
	30									
	31									
	32									
	33	GROUP 36—DOME								
	34	Dome	1	138M5001						
	35	" Flange	1	362A5000						
	36	" " Radius	—	29½"						
	37	" Cap	1	362D5007						
	38	" Ring	1	362A5009						
	39	" Casing—~~Base~~	1	362B5014	PRESSED STEEL					
	40	" " —Shell	—							
	41	" " —Top	—							
	42	" Flow Bowl	1	362B5014		—	—	—	—	—
	43	" " " Bracket	3	"		120F2	—	—	—	—
	44									
	45									
	46									
	47	GROUP 37—DRAWGEAR F & B								
	48	Coupler F.	1	373A5003				37-2		
	49	" B.	1	"				37-2		
	50	" Knuckles	2	372K5000				37-11		
	51	" "	1	372B5000				37-4		
	52	" Lock	2	372A5006				37-12		
	53	" " Lifter	2	372A5007				37-13		
	54	" Link	—							
	55	" Lever	—							
	56	Uncoupling Shaft	2	213C5008		104F160	—	—	—	—
	57	" "	—							
	58	" " Bracket	6	213C5008		104F60	—	—	—	—
	59	" " "								
	60	Buffer								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 37—DRAWGEAR (Cont.)								
m	1	Drawhead	2	373A5017	12759R 2-25-27	—		37-1		
m	2	Draw Gear Brace	1	372A5040		(1) 110F365				
m	3	" " "	1	"		(1) 110F366				
m	4	" " " Foot	2	"		—		37-73		
m	5	" " " Foot	2	"		—		37-74		
	6	" " Back								
	7	" " Shims								
	8	" " Pin								
	9	" " Frame—Front								
	10	" " " "								
	11	" " " —Rear								
	12	" " " "								
	13	" " Tie Plate								
	14	" " Friction Plate								
	15	" " Sliding Bar								
	16	" " " "								
	17	" " Connecting Rod								
	18	" " " " Pin								
	19	" " Yoke								
	20	" " " Block								
	21	" " " Followers								
	22	" " " "								
	23	" " " Binder Plate								
	24	" " Carrier Link								
	25	" " " Pin								
	26	" " " Plate								
	27	" Bar Guide								
	28	" " Pin								
	29	" " Carry Iron								
	30	" " " " Bolt Liner								
m	31	" Pin—Front	1	—		104F35	—	—	—	—
m	32	" " —Back	1	—		104F35	—	—	—	—
	33	Shackle Bar								
	34	" " Key								
	35	" " Gibs								
	36	" " Brace								
	37	" " " Pad								
	38	" " " Pin								
	39	" " Pin								
	40	Safety Link								
	41	" " Pins								
	42									
	43	GROUP 39—ECCENTRICS								
m	44	ECCENTRIC—No. 1 Cylinder	1	392A5073			39-45			
m	45	" No. 3 Cylinder	1	"			39-45			
m	46	" No. 2 Cylinder—Top	1	392A5072			39-42			
m	47	" No. 2 Cylinder—Bot.	1	"			39-43			
m	48	" Key	2	"	CHROME VANADIUM		—			
m	49	" Stud	2	"	MACH. STEEL		—			
m	50	ECCENTRIC STRAP Top	6	392B5005			39-36			
m	51	" " Bottom	6	"			39-37			
m	52	" " Bolts	12	"						
m	53	" " Liner	12	"						
	54	" " Filler	—							
	55									
m	56	ECCENTRIC ROD	3	8411 SET 2		84F30				
m	57	" "	3	"		84F34				
m	58	" " Pin	6	393D5000		—				
	59	" " "	—							
m	60	" " Bolts	12	8509 SET 9		—	—	—	—	—
	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 42—ERECTING CARDS								
m	1	ERECTING PLAN—Elevation	1	420 E 5001						
	2	GROUP 43—ERECTING CARDS								
m	3	ERECTING PLAN—Sections	1	B-13213 LINE 2						
	4									
	5	GROUP 44—EXHAUST PIPE & NOZZLES								
m	6	EXHAUST Drop Pipe	1	442C5052			44-418-A			
m	7	" " Pipe Flange	1	442A5056			44-69			
m	8	" Nozzle	1	442A5062			44-68			
m	9	" "	1	442B5062			44-113			
m	10	" "	1	442C5062			44-114			
	11	" " Tip								
m	12	" Extension	1	442A5051			44-70			
	13	" Gland								
m	14	" Reducer	1	442A5017			44-531			
m	15	" " Gland	1	442A5018			44-533			
m	16	" Pipe Elbow	1	442A5016			44-532			
m	17	" " Joint Ring	1	792K5029			79-22			
m	18	" "	1	442C5015	6" W.I. PIPE					
m	19	" " Nipple	1	"	" "					
	20	GROUP 45—FIREDOOR AND FIREBRICK								
	21	FIRE BRICK								
	22	" " Arch Tube								
	23	" " " " Setting								
	24									
m	25	FIRE DOOR	1	452A5004			45-10			
m	26	" " Frame	1	452A5001			45-9			
m	27	" " Liner	1	452A5002			45-11			
m	28	" " Latch	1	452A5005		127F4				
m	29	" " " Handle	1	"		127F14				
m	30	" " " Guide	1	452A5003		452A5003				
m	31	" " ~~Shield~~ HINGE PIN	1			45A7				
	32	" " Damper								
	33	" " " Bearing								
	34	" " " "								
	35	" " " Handle								
	36	" " " Thumb Nuts								
	37	" " Peep Hole Cover								
	38									
	39									
	40									
	41	GROUP 48—FRAME AND DETAILS								
m	42	FRAME	1	487D5028						
m	43	" Boiler Saddle	1	482A5094	22 1/8" TO		48-48			
m	44	" " "	1	"	23 1/2 RAD.		48-49			
m	45	" " Pad Clamp	4	10748 SET 1 LINE 3		FIN. SIZES 1 1/2" x 5" x 7 1/4"				
m	46	" " " "	4	" " 2 " 3		FIN. SIZES 7/8" x 5" x 12"				
m	47	" " " "	4	" " 3 " 3		1 1/2" x 5" x 10"				
m	48	" " " "	4	" " 4 " 3		7/8" x 5" x 6 1/2"				
m	49	" Bolster Fill Blocks	4	3160 LINE 1			48-146			
m	50	" Centre Plate	2	482E5111					48-656	
m	51	" Side Bearing—Right	2	9671 SET 9			48-153			
m	52	" " " —Left	2	" " 8			48-152			
m	53	" Spreader	1	487D5028		110F245				
m	54	" Truss Pad	4	12441					48-8	
m	55	" " "	4	"					48-9	
m	56	" " Head	2 R. 2 L.	12445 LINE 4 " " 11		12445 LINE 4 " " 11				
m	57	" " Post Head	4	12401			48-27			
m	58	" " " Socket	4	482A5043			48-14			
m	59	" " Rod Washers	8	12441			48-10			
m	60	Main Truss Rod—Right	1	487D5028		2 1/4" DIA. } LENGTH				
m	61	" " " —Left	1	"		2" " } TO SUIT L				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 48—FRAME & DETAILS (Cont.)								
	1	Truss Rod Ends	4	487D5028		56" × 1½" DIA				
	2	" " "	2	"		78" × 1½" "				
	3	" " "	2	"		66" × 1½" "				
	4	" " "								
	5	" " Columns	2	487D5028		22" × 2" DIA.				
	6	" " "	2	"		19" × 2" "				
	7	" Post Guides	2	11014 SET 1	PLATE					
	8	" " "								
	9	Frame Brace TO END TIMBER	1	487D5028		110F7				
	10	" "	1	"		110F8				
	11	" "	1	"		110F ~~[illegible]~~ 514 FOR FUTURE NEW WORK ONLY,				
	12	" "	1	"		110F111				
	13	" "	1	"		110F334				
	14	" "	1	"		110F113				
	15	Frame Pit Irons	3	"		48H5025				
	16	" " "	1	"		48H5013				
	17	" " "	1	"		110F229				
	18	" " "								
	19	" End Casting								
	20	" " Timber Brace	4	11090 SET 12				48-57		
	21	" Angle	8	487D5028		½" × 6" × 6" × 7½" LONG.				
	22	" "	8	"		½" × 3½ × 6" × 7½" "				
	23	" "	8	"		⅝" × 6" × 6" × 9½" "				
	24	" "	2	"		½" × 3½ × 3½ × 7½"				
	25	" "								
	26	" "								
	27	" Smoke Box Brace Pad	2	13007 SET 1			48-15			
	28	EXPANSION PLATE	1	482A5000	PLATE					
	29	" " Angle	1	"		482A5000				
	30	FURNACE BEARER—Front								
	31	" " —Rear								
	32	" " Plate								
	33	" " Fill Blocks								
	34	Boiler Pad—Right	3	482B5004			48-315			
	35	" " —Left	3	"			48-315			
	36									
	37									
	38	GROUP 49—GAUGES, TEMPLATES & JIGS								
	39									
	40									
	41									
	42	GROUP 50—GUIDES & ATTACHMENTS								
	43	Guide	6	502B5000			50-1			
	44									
	45									
	46	GROUP 51—GRATE ARRANGEMENT								
	47	Grate Arrangement	1	A-11818 LINE 5						
	48	GROUP 52—GRATE DETAILS								
	49									
	50									
	51	Grate Bars	7	522A5048			52-16			
	52	" "								
	53	" "								
	54	" Center Rail								
	55	" Side "	1	A-11819 SET 6			52-133			
	56	" " "	1	"			52-134			
	57	" ~~Cover Plate~~ SHAKER PINS	1	DRILL TO SUIT E.S.		¾" RNS. 3" LONG.				
	58	" " "	1	" " " " "		⅝" " 2¼" "				
	59	" Shaker Pins	3	" " " " "		⅝" " 2½" "				
	60	" " "	2	" " " " "		⅝" " 3" "				
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 52—GRATE DETAILS (Cont.)								
	1	Grate Dead Plate	—							
	2	" " "	—							
m	3	" Drop "	1	522A5057		—	52-13	Z	Z	Z
m	4	" Dump Shaft	1	11816 SET 10		118-F-77	—			
m	5	" " " Bearing	2	522F5093		—	52-122			
	6	" " " "	—							
m	7	" " " Links	2	TO SUIT ERECT. SHOP		118F73	—	—	—	—
m	8	" " " Lever	1	15020		118F74	—	—	—	—
	9	" " Lever	—							
m	10	" Shaker Shaft Bracket	1	A-11803		—	52-107	—	—	—
m	11	" " " "	1	"		—	52-108	—	—	—
	12	" " Lever	—							
m	13	" " Shaft	1	522~~X~~E5008 (OD for future)		522~~X~~E5008	—	—	—	—
	14	" " "	—							
m	15	" " " Lever	1	522~~X~~D5009		52~~X~~A5012	—	—	—	—
	16	" " " "	—							
m	17	" " " Hand Lever	1	A-11818		118F110	—	—	—	—
	18	" " " " "	—							
m	19	" " Lever Connection	1	A-11818 LINE 6 ~~5888~~		118-F-135	—	—	—	—
	20	" " " "	—							
m	21	" " Connection Bar	1	A-11870 SET 5		A-11870 SET 5	—	—	—	—
	22	" " " "	—							
	23	GROUP 53—H'NDRAIL & STEPS (En.&Tr)								
	24	HAND RAIL	—							
m	25	" " Bracket	2	10010		—	53-10	—	—	—
m	26	" " Balls	1	532E5034			53-4			
m	27	" " Columns	5	532A5034			53-1			
m	28	" " "	2	532B5034			53-2			
m	29	" " "	2	A-11406			53-8			
m	30	" " "	2	A-11404			53-7			
m	31	" " " Blocks	2	532C5034			53-3			
	32	" " " "	—							
m	33	" " Flanges	1	532F5034		—	53-5	—	—	—
	34	Cab Handle—Right	—							
m	35	" " —Left	2	B-11141 LINE 5		TO SUIT ERECT. SHOP	—	—	—	—
m	36	Coal Bunk Handle—Right	2	B-11145 " 1		" " " "	—	—	—	—
	37	" " " —Left	—							
	38	Tank Handle	—							
m	39	End Timber Handle	2	213C5008		103F53	—	—	—	—
	40	" " "	—							
m	41	" " " Bracket	2	213C5008		103F122	—	—	—	—
	42	" " " "	—							
	43									
	44									
	45	Bottom Bracket Step	—							
m	46	Cab Step RIGHT	1 SET	B-11143 LINE 1	WOOD TREAD	(2) 111-F-6	—	—	—	—
d	47	" "	—			(2) 111-F-7				
m	48	" " LEFT	1 SET	B-11142 LINE 1		(2) 111-F-40				
d	49	" "	—			(4) 111-F-7				
m	50	" " Brace	2	B-11142 LINE 1		(2) 111-F-240				
m	51	" " "	2	B-11143 " 1		(2) 111-F-241				
	52	Cylinder Step	Z							
	53	" Hood Step								
	54	Generator Step								
m	55	End Timber Step—Front	1 SET	213C5008		(4) 103F18	—	—	—	—
m	56	" " " —Back	1 "	213D5008		(4) 103F18	—	—	—	—
	57	Headlight Step	Z							
	58	Pilot Step								
	59	" "								
m	60	Sand Box Step	1	D-4141		—	53-14	—	—	—
m	61	" " " Bracket	1	—		122F75	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 54—HEADLIGHTS, LAMPS, PLATES, ETC.								
	1	Flag Socket	—							
	2	" "	—							
✓	3	Headlight {~~Oil~~ Electric}	2	16" SUNBEAM CASE WITH TURBO GENERATOR			—	—	—	—
✓	4	Headlight Bracket	2	5353 SET II	PLATE		—	—	—	—
	5	" Columns								
✓	6	" Shelf—Front	1	10070	PLATE	—				
✓	7	" " —Rear	1	1/4"×14"×24"		—				
✓	8	Generator Bracket	2	10003		100F3				
✓	9	" Shelf	1	"	1/4"×15"×18"					
✓	10	Lamp	1	DAYTON ELECTRIC }	PURCHASED					
✓	11	"	1	" " }						
✓	12	" Bracket	1	542B5011		542B5011				
	13	" "	—							
✓	14	Number Plate	1	542A5009					54-6	
✓	15	" " Stud	1	A-12969						
✓	16	Builder's Card	2	542A82					54-169	
✓	17	Name Plate	2	B-11138			54-4			
✓	18	Patent Plate	1	542A5006					54-183	
✓	19	Property Plate	—	~~542A55~~			~~54-XIII~~	—	—	—
	20	Superheater Patent Plate	—							
✓	21	Electrical Equipment	1 SET	54 M.O. 5004						
	22									
	23									
	24	GROUP 55—INJECTORS & FEED, WATER								
✓	25	Injectors	2	#7 NATHAN LIFTING LEVER HANDLE MONITOR TYPE "88"						
✓	26	" Bracket	2	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
	27									
	28									
	29									
✓	30	Injector Check Valve	2	1½ SWING	PURCHASED	—	—	—	—	—
	31	" " Flange	—							
✓	32	" Stop Valve	2	552D5010	PURCHASED	—	—	—	—	—
	33	Feed Pipe Strainer	—							
✓	34	" " Bracket	2	552A5036		—	55-3	—	—	—
✓	35	" " " Cap	2	"		—	55-4	—	—	—
	36	" Pipe Hanger								
	37	" Hose Connection								
	38	" " " Nuts								
	39	" " " "								
	40	" " " Nipples								
	41									
	42									
	43									
	44	GROUP 57—LAGGING & JACKET								
✓	45	Lagging (Boiler)	1 SET	57 M.O. 5000-A		—	—	—	—	—
	46	" Panel								
	47	" "								
	48	" "								
	49	" Angle Iron								
	50	" " "								
✓	51	Jacket (Boiler)	1 SET	#22-B.W.G. PAINTED STEEL		—	—	—	—	—
	52	" Band	—							
✓	53	" " Angle	4	57D5000		57D5000				
✓	54	" Clamp	36	570D46		—				
✓	55	" " EYE BOLTS	6	572A5004		572A5004				
✓	56	Plug Casing	5	572A6		—				57-4
	57	" "	—							
✓	58	~~" Cover~~ PRESSURE PLATE FRAME	1	420D476		—	—	—	57-60	—
	59	Cylinder Lagging								
	60	" Jacket								
	61	" Hood	4	572?5008						

△ {On future class 50-2 with one 9½" Pump make cyl. hood in one piece extending from cab over pump. Make cutout in cab & cyl. hood match up. Daff. 6-30-27.

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
✓	1	Link	3	583B5002		—	—	58-1	—	—
	2	" —Top Half	—							
	3	" —Bottom Half	—							
✓	4	" Saddle	3	583B5002		81-F-~~7~~17	—	—	—	—
✓	5	" " Bolts	6	8511 SET 11		—	—	—	—	—
	6	" " "	—							
✓	7	" Block	3	582A5014		FIN. SIZES 1½"x2¼"x3"	Z	Z	Z	Z
✓	8	" " Pin	3	8512 SET 9		—				
✓	9	" " Plates	6	582A5014		—				
	10	" " Ends	—							
✓	11	" Hanger	3	582A5029		582A5029	—	—	—	—
✓	12	" " Pin	3	8513 SET 3		—	—	—	—	—
	13									
	14	GROUP 59—OIL CUPS & LUBRICATION								
✓	15	Lubricator	1	NATHAN 5 FEED	1918-TYPE					
✓	16	" Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
	17									
✓	18	Bottom Bracket Oil Cup	4	592A5006		—	59-48	—	—	—
✓	19	" " " " Cap	4	"		—	59-49	—	—	—
	20	" " " " Nut								
	21	" " " " Plug								
	22	" " " " Cover								
	23	" " " " "								
	24	" " " " Hinge Lugs								
	25	" " " " " "								
✓	26	" " Grease Cup	4	592A5007		—	59-50	—	—	—
	27	" " " " Cap	—							
✓	28	" " " " Nut	4	592A5007		—	59-51	Z	Z	Z
✓	29	" " " " Plug	4	"		—	59-52			
✓	30	Crosshead ~~Oil~~ GREASE Cup	3	#1-POWELL-PLAIN STEEL SHANK ¼" PIPE THD.			—			
	31	" " " Cap								
	32	" " " Nut								
	33	Ecc. Strap Oil Cup								
	34	" " " " Cap								
	35	" " " " Nut								
	36	Gear Oil Cups								
	37	" " " Covers								
✓	38	Guide ~~Oil~~ GREASE Cup	6	#3-POWELL-PLAIN STEEL SHANK ½" PIPE THD.			—	—	—	—
	39	" " " Cap								
	40	" " " Nut								
	41	Link Oil Cup								
	42	" " " Cap								
	43	" " " Nut								
✓	44	Packing Oil Cup	3	592A5005		—	—	—	59-44	—
✓	45	" " " Cap	3	"		—	—	—	59-45	—
	46	" " " Nut								
	47	Rod Oil Cup								
	48	" " " Cap								
✓	49	" " " Plug	3	592A5025		—	59-355	—	—	—
	50	" " " Latch								
	51	" " " Spring								
	52	" " " Base								
	53	Tumb. Shaft Oil Cup								
	54	" " " " Cap								
	55	" " " " Nut								
✓	56	Truck Box Oil Cup Cover—R. Box	4	7125 SET 1 ~~[illegible]~~	PLATE	—	59-32	—	—	—
	57	" " " " " —L. Box								
✓	58	" " " " " Hinge Plate	4	7125 SET 2			59-33	—	—	—
	59	Valve Stem Oil Cup								
✓	60	Oil Can Shelf	1	592A5004		—	59-120	—	—	—
	61	" " " Bracket	—							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 60—OIL BURNER, ENGINE ONLY								
	1	Oil Burner								
	2	" " Arrangement								
	3	" " Support								
	4	" " Turret								
	5	" Cock Rod								
	6	" " " Jaw								
	7	" " " "								
	8	" " Shaft								
	9	" " " Arm								
	10	" " " Hanger								
	11	" " " Collar								
	12	" Pipe Support								
	13	" " "								
	14	" " Clamp								
	15	" " "								
	16	" Heater Support								
	17	" " Clamp								
	18	" Regulator Bracket								
	19	" " Shaft								
	20	" " " Arm								
	21	" " " Hanger								
	22	" " " Collar								
	23	" " " "								
	24	" " Quadrant								
	25	" " Lever								
	26	" " Latch								
	27	" " " Handle								
	28	" " " Spring								
	29	" " " Link								
	30	" " " Guide								
	31	" " " Pin								
	32	" " Lever Dowel								
	33	" " " Stop								
	34	" " " Thumb Nuts								
	35	" " " Adjusting Screw								
	36	" Damper Regulator Quadrant								
	37	" " " Handle								
	38	" " " Shaft								
	39	" " " " Bushing								
	40	" " " " Arm								
	41	" Heater								
	42	" " Stuffing Box								
	43	" " " " Follower								
	44	" " " " Nut								
	45									
	46									
	47									
	48									
	49									
	50	GROUP 61—PAINT'G, LETTER'G, NUM'G								
	51	Lettering								
	52	Numbering								
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT AND SNOW PLOWS								
	1	PILOT								
	2	Pilot Band								
	3	" Bottom Plate								
	4	" Corner Iron								
	5	" Brace								
	6	" "								
	7	" "								
	8	" "								
	9	" " Rod								
	10	" Knee								
	11	" "								
	12									
	13									
	14	Snow Plow								
	15									
	16									
	17	GROUP 63—PIPE FITTINGS								
	18	Air Gauge Fitting								
	19	" Pump Oil Fitting	1 SET	7138	STICK BRASS					
	20	" " " " Nut								
	21	" " " " Swivel								
	22	" " Exhaust Wye								
	23	" " Tee								
	24									
	25									
	26	Blower Fitting	1	632 A 5004					63-6	
	27	" " Nut								
	28	Brake Release Check	1	13523	STICK BRASS					
	29	" " " Valve	1	"					63-64	
	30	Brake Ex. Fitting								
	31	" " " Nut								
	32	Coal Sprinkler Fitting								
	33	" " " Nut								
	34	" " " Swivel								
	35	Cylinder Oil Pipe Fitting	3 SET	632 A 5005	STICK BRASS					
	36	" " " " Nut								
	37	" " " " "								
	38	" " " " Swivel								
	39	" " " Bracket								
	40	Angle Valve Nut								
	41	" " Swivel								
	42	Through Valve Nut								
	43	" " Swivel								
	44	Oil Cock Nut								
	45	" " Swivel								
	46	Lubricator Check								
	47	Steam Brake Oil Fitting	1	7138	STICK BRASS					
	48	" " " " Nut	1	"	" "					
	49									
	50	Check Pipe Union								
	51	" " " Nut								
	52	" " " Swivel								
	53	Oil Pipe Union								
	54	" " " Nut								
	55	" " " Swivel								
	56	Steam Pipe Union								
	57	" " " Nut								
	58	" " " Swivel								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Pipe Clamp	Z							
	2	" "								
	3	" "								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14	GROUP 64—PIPING ARRANGEMENTS								
	15	Piping Arr'g. General	Z							
	16	" " Air Brake								
	17	" " Cooling Pipes								
	18	" " Bet. Eng. and Tender								
	19	" " Oil Heater								
	20	" " Sprinkler								
	21	" " Steam Heat								
	22									
	23									
	24									
	25									
	26	GROUP 65—PISTON AND ROD								
	27	PISTON HEAD	3	652A5135		—	65-99	Z	Z	Z
	28	" Packing Rings, Material For	6	653F5000	Pot Pattern	— FIN. SIZES	65-6			
	29	" Rod	3	652A5123		27" × 2 3/16 DIA.	—			
	30									
	31									
	32									
	33	PISTON ROD PACKING	9 SET	METALLIC	Pot Pattern	Z	—	Z	Z	Z
	34	Packing Rings	9 "	7719 SET 1			—			
	35	" Spring Washer	3	7759 SET 4			65-45			
	36	" Swab Cap	3	652A5091			—		65-26	
	37	" Follower	—							
	38	" Stuffing Box	3	652A5055		Z	65-41	Z	Z	Z
	39	" " " Gland	3	652A5059			65-42			
	40	" Vibrating Cups	3	652A5082			65-46			
	41	" Spring	3	#13			—			
	42									
	43									
	44	PACKING STUDS Piston Rod	12	7758 SET 4		—	—	—	—	—
	45	GROUP 66—PLUGS								
	46	Arch Tube Plug	—							
	47	Back Head Plug (Prime)	3	1 7/8"-11 1/2 THD'S. TAPER 3/4" IN 12" - PURCHASED.						
	48	Crown Plug	—							
	49	Ecc. Strap Plug	—							
	50	Firebox Plug (Prime)	4	1 7/8"-11 1/2 THD'S. TAPER 3/4" IN 12" PURCHASED						
	51	" "	—							
	52	Fusible Plug	1	662A5000		—	—	—	66-113	—
	53	Indicator Plug	Z							
	54	Smoke Box Plug								
	55	Tube Sheet Plug								
	56	Test Plug								
	57	Waist Plug (Prime)	5	1 7/8"-11 1/2 THD'S. TAPER 3/4" IN 12" PURCHASED						
	58	Washout Plug Valve	Z							
	59	" " " Cap								
	60	" " Flange								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 68—REVERSE LEVER								
	1	Reverse Lever	1	—		83F97			—	
	2	" " Arrangement	1	8375 LINE 6					—	
	3	" " Handle	1	D-1315 LINE 3					68-3	
	4	" " Latch	1	3294 STYLE 1		83F49			—	
	5	" " " Guide	1	"		FIN. SIZES 1¼" x 2" x 3½"			—	
	6	" " " Rod	1	8375		83F109				
	7	" " " Details	—							
	8	" " Quadrant	1	682A5017		83F42				
	9	" " "	1	"		83F50				
	10	" " " Plate	1	8310 SET 4 LINE 1		—				
	11	" " Foot Rest	—							
	12	" " Shaft	1	8375 LINE 6		83F184	—	—	—	—
	13	" " " Length	—	15" CTR. TO CTR.		—	—	—	—	—
	14	" " Arm								
	15	" " Fulcrum								
	16	" " " Bracket								
	17	" " " Pin								
	18	" " Shaft Stand	1	5471 SET 2		83F65				
	19	" " Quadrant Bracket	1	487D5028		109F18				
	20	" " " "	1	487D5028		68D5004				
	21	" " " "	—							
	22									
	23									
	24									
	25									
	26	GROUP 69—REVERSE SHAFT								
	27	TUMBLING SHAFT	1	692D5047	ANGLE A=1¼°	692D5047	—	—	—	—
	28	" " Arm	—							
	29	" " Collar	—							
	30	" " Box	3	8215 SET 2			69-5			
	31	" " " Cap	3	"			69-6			
	32	" " Coupling Ball	2	8316 SET 2			69-2			
	33	" " " Socket	2	"			69-3			
	34	" " " Cap	2	"			69-3			
	35	" " " Sleeve	1	"		FIN. SIZES 1½" HEX. 3½" LONG				
	36	" " " Conn.	1	"		1½" " 8 5/16" "				
	37	" " " "	1	"		1½" " 6 3/16" "				
	38	" " " Nut	1	"		1½" " ¾" "				
	39									
	40	GROUP 71—RUNNING BOARDS								
	41	RUNNING BOARD	1 SET	717A5019	WOOD	—	—	—	—	—
	42	" " BRACKET ON BOILER	1	712D5031		712D5031				
	43	" " Bracket	7	487D5028		71C5010				
	44	" " "	1	"		71F5002				
	45	" " "	2	"		71E5008				
	46	" " "	2	"		109F250				
	47	" " " FILL BLOCKS	1	TO SUIT ERECT. SHOP		½" x 4½" x 33"				
	48	" " " Engine	1	A-10960 LINE 4	PLATE	—				
	49	" " " "	1	712C5028	"	—				
	50	" " " FILL BLOCK	1	TO SUIT ERECT. SHOP		½" x 4½" x 30"				
	51	" " " "								
	52	" " " "								
	53	" " " "								
	54	" " " "								
	55	" " " Tender								
	56	" " " "								
	57	" " " "								
	58	" " " "								
	59	" " " "								
	60	" " " "								
	61	" " " "								

Run. board to be revised for future. See Cyl. book. D.A.K. 6-30-27.

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS								
M	1	Connecting Rods	3	723C5003		89F32	Z	Z	—	Z
M	2	" " Brass, Xhd End	3	722A5035		Z	Z	Z	72-12	Z
M	3	" " " " "	3	"		Z	Z	Z	72-12	Z
M	4	" " " Crank "	3	722A5021		Z	Z	Z	72-70	Z
M	5	" " " " "	3	"		Z	Z	Z	72-70	Z
	6									
M	7	Connecting Rod Strap	3	722B5086		722B5086 FIN. SIZES 1¾" x 2½" x 2¾"	Z	Z	Z	Z
M	8	" " Wedge—Top	3	723C5003		FIN. SIZES 2" x 2½ x 3¾"	Z	Z	Z	Z
M	9	" " " —Bottom	3	"			Z	Z	Z	Z
M	10	" " Key—Top	3	"		89F35	Z	Z	Z	Z
	11	" " " —Bottom	—							
	12	" " Wedge Liner	—							
	13									
	14									
	15									
	16	GROUP 73—SAND BOX								
M	17	Sand Box—Front	1	733A5000						
M	18	" " Base	1	12247 LINE 4			73-69	Z	Z	Z
M	19	" " Top	1	733A5000	PRESSED STEEL			Z	Z	Z
M	20	" " Lid	1	732B5000			73-31	Z	Z	Z
M	21	" " Valve	2	732A5022			73-4	Z	Z	Z
M	22	" " Lever—Short	1	733A5000			73-20	Z	Z	Z
M	23	" " " —Long	1	"		73A5000	—	Z	Z	Z
M	24	" " Rod Handle	1	732A5027			73-6	Z	Z	Z
M	25	" " Rigging	2	733A5000		¼" x 1¼" x 19¾"	—	Z	Z	Z
M	26	" " Rod	1	⅜" PIPE TO SUIT E.S.		Z	—	Z	Z	Z
M	27	Air Sander	4	732A5002		Z	73-93	Z	Z	Z
M	28	" " Nozzle	4	"	STICK BRASS		—	Z	Z	Z
M	29	Sand Box—~~Flue~~ LUGS	4	733A5000		530585	—	Z	Z	Z
	30	" " Funnel	—							
	31	" " Scoop	—							
M	32	SAND BOX—Back	1	732B5032	PLATE	—	—	—	—	—
	33	Back Sand Box Arrangement	—							
M	34	" " " Base	1	732A5025		Z	73-5	Z	Z	Z
M	35	" " " Top	2	732A5024		Z	73-314	Z	Z	Z
M	36	" " " Covers	2	"		Z	73-12	Z	Z	Z
	37	" " " Valve								
	38	" " " Shaft Hanger								
	39	" " " " " Caps								
	40	" " " Hand Lever								
	41	" " " " " Fulcrum								
	42	" " " " " Rod								
	43	" " " Horiz. Lever								
	44	" " " " " Fulcrum								
	45	" " " " " Guide								
	46	" " " Rod Jaws								
	47	" " " " "								
	48	" " " Shaft								
	49	" " " " Lever								
	50	" " " " "								
	51	" " " Valve Lever								
	52	" " " " Rod								
	53	" " " " "								
	54	" " " " " Conn.								
	55	" " " Rod Bell Crank								
	56	" " " " " " Fulcrum								
M	57	" " " Brace	2	—	—	122F87	—	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS								
✓	1	COUPLING RING —Front	2	743A5010				74-16	—	
✓	2	" " Half "	4	743B5010				74-17	—	
✓	3	" " Bushing "	8	742A5035				—	74-19	
✓	4	" " Oil Cellar "	8	742A5034			74-18	—	—	
	5	" " —No. 2								
	6	" " Half "								
	7	" " Bushing "								
	8	" " Oil Cellar "								
	9	" " —No. 3								
	10	" " Half "								
	11	" " Bushing "								
	12	" " Oil Cellar "								
✓	13	" " —Rear	2	743A5010				74-16	—	
✓	14	" " Half "	4	743B5010				74-17	—	
✓	15	" " Bushing "	8	742A5035				—	74-19	
✓	16	" " Oil Cellar "	8	742A5034			74-18	—	—	
	17									
✓	18	CRANK SHAFT	1	745A5006		157F19	—	—	—	—
	19	Counterbalance								
	20	" Weight								
	21	" "								
	22	" "								
	23	" Yoke								
	24	" "								
✓	25	Horn Coupling	2	742A5267		—	—	74-27	—	—
	26	" "	—							
✓	27	" " Key	2	9060 LINE 2		90F2	—	—	—	—
	28									
	29									
✓	30	LINE SHAFT—Front Truck	1	9120 LINE 1		FIN. SIZES 82 5/8" x 4 1/4" DIA.	—	—	—	—
	31	" " —2nd "	—							
	32	" " —3rd "	—							
✓	33	" " —Rear "	1	9120 LINE 1		FIN. SIZES 86 5/16" x 4 1/4" DIA.	—	—	—	—
✓	34	" " Bearings, Outside—Front	2	742A5095		—			74-186	
✓	35	" " " Inside "	2	"		—			74-187	
	36	" " " Outside—2nd								
	37	" " " Inside "								
	38	" " " Outside—3rd								
	39	" " " Inside "								
✓	40	" " " Outside—R'r	2	742A5095		—	—	—	74-186	—
✓	41	" " " Inside "	2	"		—	—	—	74-187	—
	42	" " " Plate—Front								
	43	" " " " —2nd								
	44	" " " " —3rd								
	45	" " " " —Rear								
✓	46	" " Collar	4	742A5203				74-351		
✓	47	" " "	3	742E5012				74-350		
✓	48	" " "	1	742A5011				74-349		
	49	" " "	—							
	50	" " "								
	51	" " "								
	52	" " "								
	53	" " "								
	54	" " "								
✓	55	" " Coupling 10	2	9025 ~~LINE~~ Set 6	742A5273	—	—	74-489	—	—
	56	" " "								
	57	" " "								
	58	" " "								
	59	" " "								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS (Cont.)								
	1	LINE SHAFT Coupling Key	Z							
	2	" " " "								
	3	" " " "								
m	4	" " Collar "	1	743A5022		FIN. SIZES 3/4" x 2" x 6"	—	—	—	—
m	5	" " Pinion	4	742C5102		—	—	74-63-B	—	—
	6	" " "	Z							
	7	" " "								
	8	" " "								
m	9	" " Washer	4 Pr	742F5149		—	74-153	—	—	—
	10	" " "	Z							
	11	" " "								
	12	" " "								
m	13	GEAR RIM	4	743A5037		Z	—	74-62	—	—
m	14	" " Bolt	32	742C5254			Z	Z	Z	Z
m	15	" " Key	16	8824 SET 1						
m	16	SQUARE SHAFT—Front	1	742F5250		742F5250				
m	17	" " —Back	1	742L5250		742L5250	—	—	—	—
	18	" " —Center	—							
	19	" "	—							
m	20	" " Sleeve	2	742~~A~~B5110		—	—	74-~~5X5~~ 202	—	—
	21	" " "	Z							
	22	" " "								
	23	" " "								
	24									
	25									
	26	GROUP 75—SMOKE BOX AND STACK								
m	27	SMOKE BOX ARRANGEMENT	1	A-12997 LINE 1		—	Z	Z	Z	Z
m	28	" " Deflecting Plate	1 SET	"	PLATE	—				
m	29	Deflecting Plate & NETTING Angle	1 "	"		A-12997 LINE 1				
m	30	Draft Pipe	1 "	"	PLATE					
m	31	" " Hanger	2	"		129F9				
m	32	" " "	2	"		129F10				
	33	" " "	—							
m	34	" " " Key Bolt	20	A-12997 LINE 1		75A5030	Z	Z	Z	Z
m	35	Netting Frame	2	"		129F4				
m	36	" Ring	1	"		129F8				
	37	Cinder Pocket	—							
m	38	" Pot Base	1	753B5027		Z	75-4	Z	Z	Z
m	39	" " Lid	1	752A5042			75-8			
m	40	" " Hand Wheel	1	752A5043			75-9			
m	41	" " Yoke	1	752A5041		129-F-55	—			
	42	Cleaning Hole	—							
m	43	" " Flange	1	752A5056		—	75-17	—	—	—
m	44	" " Cover	1	752A5057		—	75-18	—	—	—
	45	Peep " Flange	—							
	46	" " Cover	—							
m	47	SMOKE BOX Brace—Right	1	TO SUIT ERECT SHOP		130F21	Z	—	Z	Z
m	48	" " " —Left	1	" " " "		130F21		—		
m	49	" " " Pad	2	752B5047		Z		75-10		
m	50	" " " Pin	2	13002 STYLE 2				Z		
m	51	" " " Washer	2	13003 " 2						
m	52	SMOKE BOX FRONT	1	A-12970 LINE 3	PLATE					
m	53	" " " Door	1	"						
	54	" " " Liner	—							
	55	" " Door Liner	—							
m	56	" " " Buttons	15	A-12952		—	Z	Z	Z	75-455
m	57	" " " Hinge	1	"		75A5000				—
m	58	" " " "	1	"		75A5003				
m	59	" " " " Lug	1	"		—				75-25
m	60	" " " " "	1	"		—				75-26
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX & STACK (Cont.)								
M	1	SMOKE STACK (Type TAPER)	1	752B5024		—	75-29	—	—	—
	2	Smoke Stack Base								
	3	" " Extension								
	4	" " Top								
	5	" " Cone								
	6	" " " Bracket								
	7	" " " Brace								
	8	" " " "								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11	" " Hood								
	12	" " Ring								
	13	" " "								
	14	" " " Angle								
M	15	" " Saddle	1	752B5033		—	75-34	—	—	—
	16									
	17									
	18	GROUP 76—SPRINGS								
M	19	Truck Bolster Springs	40	762A5008	29698B PURCHASED 7-21-26	—	—	—	—	—
M	20	" Pedestal "	4	762A5008	"	—	—	—	—	—
	21	Drawgear Springs	—							
	22									
	23									
	24									
	25									
	26	GR'P 78—STE. GAUGE SAF. VAL. & TUR.								
M	27	Steam Gauge	1	5½" ASHCROFT	BRASS RING					
	28									
M	29	Safety Valve	2	2" CONSOLIDATED TYPE "H"						
	30	" "								
	31	" " Elbow								
	32	" " Turret								
	33	" " " Bushing								
	34	" " " Ring								
	35	" " " Casing								
	36	" " " Flow-Bowl								
M	37	TURRET	1	783N5006		—	—	—	78-1	—
M	38	" Ball Joint	1	A-11424 SET 1		—	—	—	78-5	—
M	39	" Stuffing Box	1	782A5005					78-2	
M	40	" " " Nut	1	"	STICK BRASS	—	—	—	—	—
	41	" " " Follower	—							
M	42	" Master Valve	1	782A5005		—	—	—	78-3	—
M	43	" " " Nut	1	"	STICK BRASS					
M	44	" " " Stem	1	"						
M	45	" " " Hand Wheel	1	"			27-14			
M	46	" Bonnet Ring	1	"		—	—	—	78-4	—
	47	Turret (Auxiliary)	—							
	48	GROUP 79—STEAM PIPES & TEE HEADS								
M	49	STEAM PIPES	1	793A5007		—	79-666	—	—	—
	50	" " Slip Joint								
	51	" " " " Gland								
	52	" " Elbow								
	53	" " " Support								
	54	" " Tee Head								
M	55	" " Joint Ring—Top	1	792H5042		—	79-21	—	—	—
M	56	" " " " —Bottom	1	792J5042		—	79-21	—	—	—
	57	" " " "								
	58	" " " " Gland								
	59	" " Casing								
	60	" " Flange								
	61	" " Nipple								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 81—SUPERHEATER								
	1	Superheater Arrangement								
	2	" Header								
	3	" " Support								
	4	" " "								
	5	" Return Bends								
	6	" " "								
	7	" Tube End								
	8	" " Joint								
	9	" " Clamp								
	10	" " " Washer								
	11	" " " Bolt								
	12	" " " " Washer								
	13	" " Support								
	14	" " Bands								
	15	" Unit								
	16	" Damper								
	17	" " Cyl.								
	18	" " " Arm								
	19	" " " Support								
	20	" " Arm								
	21	" " Rod								
	22	" " Shaft								
	23	" " "								
	24	" " " Bearing								
	25	" " " "								
	26	" " " "								
	27	" " " "								
	28	" " " Link								
	29	" " Counterweight								
	30	" " " Arm								
	31	" " Hinge								
	32	" " Flag								
	33	" Deflector Handle								
	34	" " Clamp								
	35	" " Plate Stud								
	36	GROUP 82—TANK VALVES								
m	37	TANK Valve—Water	2	823A5006					82-22	
m	38	" " Body	2	"			82-23			
m	39	" " " Plate	2	"			82-19			
m	40	" " Bottom Plate	2	"			82-20			
m	41	" " Top "	2	"			82-18			
m	42	" " Cap	2	"			82-16			
m	43	" " Seat	2	"					82-21	
m	44	" " Stem	2	A-15147 STYLE 1		151F2				
m	45	" " " Nut	2	823A5006			82-17			
m	46	" " " Handle	2	"			82-14			
m	47	" " " Clamp Nut	2	"			82-15			
m	48	" " Strainer	2	"						
	49	Siphon Arrangement								
m	50	Siphon	1	822A5001			82-29			
m	51	" Tube	1	"			82-30			
m	52	" Pipe Flange	1	1130 LINE 3			82-42			
	53	" Goose Neck								
	54	" Stand Pipe								
	55	" " " Flange								
	56	" " " "								
	57	" Hose Strainer								
m	58	" " " Body	1	15142 LINE 1			82-24			
m	59	" " " Cap	1	"			82-25			
m	60	" " Nipple	2	11329 LINE 4	4" PIPE					
m	61	" " Bracket	5			113F18				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 82—TANK VALVES (Cont.)								
	1	Tank Valve—Oil								
	2	" " Seat								
	3	" " Cap Plate								
	4	" " Plate								
	5	" " Rod								
	6	" " Screen								
	7	" " Nut								
	8	" " Flange								
	9	" " Lever								
	10	" " Stem								
	11	" " " End								
	12	" " " Stuffing Box								
	13	" " " " " Nut								
	14	" " " " " Gland								
	15	" " " " " Follower								
	16	" Cock								
	17	" Cooler Cock								
	18	Tank Measuring Rod								
	19	" " " Flange								
	20	" " " Handle								
	21	" " " Guard								
	22	" " " "								
	23									
	24	GROUP 83—TANK—ENGINE								
	25	Fuel Bunk								
	26	" " Rack								
	27	" " Tie Rod								
	28	" " Straps								
	29	" " Lugs								
	30	" " Gate								
	31									
	32									
	33	GROUP 85—TENDER FRAME								
	34	Tender Frame								
	35	" " Angle								
	36	" " "								
	37	" " "								
	38	" " "								
	39	" " Bolster—Top								
	40	" " " —Bot.								
	41	" " Brace								
	42	" " "								
	43	" " "								
	44	Frame Centre Plate								
	45	" End Casting								
	46	" " Timber Brace								
	47	" Side Bearings								
	48	GROUP 87—TENDER DECK, TOOL BOX								
	49	Tool Box								
	50									
	51	GROUP 88—TENDER TANK								
✓	52	Tank—Water	1	883 A 5040						
	53	" Material Bill	1 SET	88 M.D. 5040						
	54	" Funnel	1	882 C 5002	PLATE					
	55	" " Lid	1	882 A 5003						
	56	" " ~~Hinge~~ RING	1	"		88 A 5003				
	57	" " Handle	1	"		151 F 135				
	58	" " ~~Hinge Lug~~ RING	1	882 C 5002		88 A 5002				
	59	" " ~~" Pin~~ "	1	"		151 F 111				
	60	" LUG ~~Angle~~	1	A-15139 STYLE 2		470 S 138				
	61	" Lug	3	" " 5		470 S 137				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 88—TENDER TANK (Cont.)								
m	1	Tank—Headlight Bracket	1 Pr.	883A5040	(2)	100F10	—	—	—	—
m	2	" —Ladder	1 Pr	A-15103		151F20				
P	3	" "				151F20				
m	4	" —Coal Gate	1	TO SUIT ERECT. SHOP	WOOD.					
m	5	" —~~Encl Rack~~ COAL GATE ANGLE	2	883A5040		151F138	—	—	—	—
m	6	" —Shoveling Sheet	2	3/16 × 29¼" × 128"	PLATE	—	—	—	—	—
	7	" " "								
	8	Tank—Oil								
	9	" Material Bill								
	10	" Funnel								
	11	" " Cover								
	12	" " " Eye Bolts								
	13	" " " Tail Nuts								
	14	" " " Handle								
	15	" " Lug								
	16	" " "								
	17	" " Ring								
	18	" " Angle								
	19	" Lug								
	20	" "								
	21	GROUP 91—THROTTLE & DRY PIPE								
m	22	Throttle Arrangement	1	914A5008		—	—	—	—	—
m	23	Throttle Valve	1	B-12124 SET 4	912A5079		91-7			
m	24	" Case	1	913A5022			91-468			
m	25	" Valve Stem	1	912C5052		912C5052				
	26	" " " Stop	—							
m	27	" Pipe Elbow	1	913A5022		—	91-469	—	—	—
m	28	" Pipe Flange	1	912A5068				91-471		
m	29	" " Joint Ring	1	913A5022			79-661			
m	30	" Bell Crank	1	B-12161		B-12161				
m	31	" " " Fulcrum	1	12161 SET 2		121F92				
	32	" Pipe Support	—							
m	33	" " Yoke	1	914A5008		91A5026	—	—	—	—
m	34	" " Bracket LEFT / RIGHT	1 / 1	" / "		91A5027				
m	35	" " " LINERS	2	"	TO SUIT ERECT. SHOP.	—				
m	36	" Stuffing Box	1	912A5050		—	91-14			
m	37	" " " Gland	1	"		—	91-15			
	38	" " " Flange	—							
	39	" Baffle Plate								
	40	" " "								
	41	" " " Handle								
	42	" " " Angle								
	43	" " " Studs								
	44	" " " Nuts								
	45	" " " Keys								
m	46	THROTTLE LEVER	1	913A5018		121F70	—	—	—	—
m	47	Throttle Lever Handle	1	D-1315 LINE 3		1¼" × 2½" × 5¼"	—	—	68-3	—
m	48	" " Latch	1	913A5018		121F168				
m	49	" " " Rod	1	"		121F136				
m	50	" " Links	2	"		—	—	91-21	—	—
m	51	" " Quadrant	1	"						
m	52	" " Fulcrum	1	B-12103 LINE 2		91B5030	—			
	53	" " Guide	—							
m	54	" " Rod	1	913A5018		91A5031 ~~121F122~~	—	—	—	—
m	55	" " Support	1	—		121F75	—	—	—	—
	56	DRY PIPE								
	57	" " Ring								
	58	" " Support								
	59	" " "								
	60	" " Yoke								
	61	" " Elbow								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS								
	1	Brake Shoes								
	2	Chisel—Cape								
	3	" —Flat								
	4	Hammer—Soft			Wood Handle					
	5	Jack Screw								
	6	" " Cap								
	7	" " Base								
	8	" " Collar								
	9	" "								
	10	" " Cap								
	11	" " Base								
	12	" " Collar								
	13	Journal Brass Rod								
	14	Packing Hook								
	15	" Spade								
	16	Pinch Bar								
	17	Jack Bar								
	18	Torch								
	19	" Cap								
	20	" Nozzle								
	21	Valve Tram								
	22	Wrench List	1 SET	92M05009		—	—	—	—	—
	23	Ash Hoe								
	24	" " Handle								
	25	Clinker Hook								
	26	Poker								
	27	Wrecking Frogs	1 Pr	LIMA No. 4		—	—	—	—	—
	28	Grease								
	29	~~Oil~~ TOOL EQUIPMENT	1 SET	923A5004		—	—	—	—	—
	30	GROUP 93—TRUCKS & DETAILS								
	31	TRUCK Plan	2	937A5009				—		
	32	" Bolster	2	A-9529 LINE 5				—		
	33	" " End Casting—R.	2	932A5300				93-163		
	34	" " " " —L.	2	"				93-163		
	35	" " " Separator	—							
	36	" " Spring Centers	80	A-9548		—	93-53	—	—	—
	37	" "								
	38	" "								
	39	" " Brake Rod Roller								
	40	" " " " " Brkt.								
	41	" " " Lever Guide								
	42	" " " " "								
	43	" Center Plate	2	932A5415			—	93-133		
	44	" Side Bearing Base	4	932A5250			93-6			
	45	" " " Block	2	932J5404			93-85 81			
	46	" ~~Frame~~ " "	2	932K5404			93-5 81			
	47	" "								
	48	" " Splice								
	49	" " "								
	50	" Right Arch Bar	2	9751 LINE 2	932A5451	97-F-37				
	51	" Left Arch Bar	2	"		97-F-37				
	52	" Right Inverted Arch Bar	2	"		97-F-38				
	53	" Left Inverted Arch Bar	2	"		97-F-38				
	54	" Bottom Tie Bar RIGHT	1	932A5366		932A5366				
	55	" " " " "	1	932B5366		932B5366				
	56	" " " " ~~Angle~~ LEFT.	1	932A5365		932A5365				
	57	" " " " "	1	932B5365		932B5365				
	58	" " " Fill. Block	—							
	59	" Column—Right	2	932H5081		—	—	93-170	—	—
	60	" " —Left	2	932J5298		—	—	93-172	—	—
	61									

For Future with csk. holes to clear frame.

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 93—TRUCKS & DETAILS (Cont.)								
m	1	Truck Crosstie Bar—Top	4	932B5356 ~~[illegible]~~	Tuky 7-18-23 (Future)	932B5356 ~~[illegible]~~	—	—	—	—
m	2	" " " " Fill Blocks	8	932C5080		1"x 2½"x 3	—	—	—	—
	3	" " " " Angles	—							
	4	" " " " "	—							
m	5	" " " —Bottom	~~2~~	932A5367 ~~[illegible]~~		932A5367 ~~[illegible]~~	Z	Z	Z	Z
m	6	" " " " ~~[illegible]~~	~~2~~	932B5367		~~932B5367~~ ~~[illegible]~~				
m	7	" " " " Fill Block	~~2~~ 8	"		1½"~~¼"~~ x 3" x 5"				
	8	" " " —Center	—							
	9	" " " "	—							
m	10	" Diagonal Braces	4R	A-9786 LINE 2		97F180	—	—	—	—
m	11	" " "	4L	"		97F180	—	—	—	—
	12	" " "	Z							
	13	" " "								
	14	" Equalizer								
m	15	" Gear Cover	4	932A5376	PLATE	—	—	—	—	—
m	16	" " "	4	932A5377	"	—	—	—	—	—
	17	" " "	—							
	18	" " "	—							
m	19	" " " Bracket	4	932A5378	PLATE	Z	Z	Z	Z	Z
m	20	" " " "	4	932B5378	"					
m	21	" " " Guide	8	932A5260	"					
m	22	" " " Bracket	4	932A5263		⅝" x 2" x 30¼"				
	23	"	—							
m	24	" King Bolt	2	10153 Set 1		10153 Set 1	—	—	—	—
m	25	" " " Key	2	" " 4		" " 4	—	—	—	—
	26	" Safety Chain—To Frame	—							
	27	" " " " "	—							
	28									
	29									
	30									
m	31	TRUCK BOX—Right	4	933B5027		—	—	93-62	—	—
	32	" " "	Z							
	33	" " "								
	34	" " "								
m	35	" " Cap—Right	4	932A5066		—	93-159	—	—	—
	36	" " " "	Z							
	37	" " " "								
	38	" " " "								
m	39	" Pedestal	4	9300 Set 4		—	—	93-206	—	—
m	40	" " Cap	4	932A5058			93-196			
m	41	" " " Shim	16	"		Fin. Sizes 1/8" x 1½" x 8¾"				
m	42	" " " "	32	"		Fin. Sizes 1/32" x 1½" x 8¾"				
m	43	" " " "	8	"		Fin. Sizes 1/4" x 1½" x 8¾"				
	44	" " " "	—							
m	45	" Box—Inside	4	9326 Set 1		Z	—	93-175	Z	Z
m	46	" " Cap—Inside	4	" " 2			93-176	Z		
m	47	" Inside Box Spring Center	4	932B5313			93-25			
m	48	" " Thrust Plate	4	9305 Set 4			—	—	93-24	
m	49	" Journal Brass	9	932A~~5409~~ 5049			—	—	93-41	
	50	" " " Wedge	—							
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

New for future Tuky

482A5159

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 94—VALVES—DISTRIBUTION								
	1	Piston Valve								
	2	" " Follower								
	3	" " T-Ring								
	4	" " Snap Ring								
m	5	Slide Valve	3	942A5030		—	94-24	—	—	—
m	6	" " Plate	3	"		—	94-25	—	—	—
	7	" " Packing Strip	—							
	8	" " " "	—							
m	9	" " Ring—Mat'l For	3	653L5001	Pot Pattern	—	65-91	—	—	—
m	10	" " Spring	3	#2						
	11									
	12									
	13	VALVE STEM	—							
m	14	" " Crosshead	3	8018 SET 4			94-4			
m	15	" " " Guide	3	~~432~~ 942 A5032			94-9			
m	16	" " " " Plate	6	"			94-10			
	17	" " " Gibs	—							
	18									
m	19	VALVE YOKE	3	7601 SET 6		76-F-25	—	—	—	—
	20	" " Block	—							
m	21	" " Key	3	8006 SET 2	CHROME VANADIUM	—	—	—	—	—
m	22	VALVE STEM PACKING	3 SET	GARLOCK		—	—	—	—	—
	23	Packing Rings								
	24	" Spring Washer								
	25	" Swab Cup								
	26	" Vibrating Cup								
	27	" Follower								
m	28	" Stuffing Box	3	652A5116		—	65-463	—	—	—
m	29	" " " Gland	3	"		—	65-464	—	—	—
	30	" Spring	—							
m	31	" Studs, Valve Stem	9	7738 SET 10						
	32									
	33	GROUP 95—WHEELS AND TIRES								
m	34	Wheel	8	953H5020		—	95-346	—	—	—
m	35	Tire	8	A-9991	SEG #115	—	—	—	—	—
	36	Hub Plate								
	37									
	38									
	39	GROUP 96—WHISTLE AND RIGGING								
m	40	WHISTLE	1	5" C.I. CHIME	PURCHASED	—	—	—	—	—
	41	" Bowl								
	42	" Bell								
	43	" Valve								
	44	" Gland								
	45	" Nut								
	46	" Diaphragm								
m	47	" Lever	1	962A5010		962A5010	—	—	—	—
	48	" Elbow	—							
	49	" Rigging	—							
m	50	WHISTLE Hand Lever	1	A-11149		111F10	—	—	—	—
	51	" " " Fulcrum	—							
	52	" Rod	—							
m	53	" Bell Crank	1	A-11149		111F11	—	—	—	—
	54	" Rod Thimble	—							
	55	" " " Washer	—							
	56									
	57	GROUP 99—MISCELLANEOUS								
	58	SPEED RECORDER RIGGING	—							
	59									
	60									
	61									

CLASSIFICATION OF DRAWINGS

GEARED LOCOMOTIVE

Group No.	TITLE
10	Ash Pan and Oil Pan
11	Axles
12	Bell and Ringer Blow-off Cock—See 26 Blower Pipe Elbow—See 63
13	Boilers
14	Boiler Details and Attachments—Tubes and Flues. Boiler Checks—See 55
15	Bolts and Nuts, Studs, Pins and Bushings Boxes, Shay Engines—See 93
18	Brackets, Air and Steam Gauge Brackets, Shay Cylinder, Steam and Cylinder Bottom Brackets
20	Brake Equipment, Foundation, All Brake Equipment, Engine and Tender Brick Arch—See 45
21	Bumpers and Details By-pass Valve—See 34
22	Cabs
23	Cab Details, Apron, Brackets, Door Fixtures, Ventilator, etc. Cab Handle—See 53 Cab Lamp—See 54 Cab Tool Box—See 23 Cab Turret—See 78 Chafing Plate—See 48 Cinder Valve and Pipe—See 75 Clearances—See 98 Coal Pusher—See 88
26	Cocks and Valves, Cylinder and Blow-off Cocks, Globe Valves
27	Cocks and Valves, Gauge, Water and Special
28	Cock Rigging Connecting Rods—See 72 Coupler, Engine—See 37 Coupler, Tender—See 37
29	Crank Pins and Details
30	Crossheads, Arm, Pin, Key and Shoes Crossties—See 48
31	Cylinders and Barrel Bushings
32	Cylinder and Steam Chest Heads and Covers, Steam Chests and Bushings
34	Cylinder By-pass, Relief, Vacuum and Drifting Valves
35	Die Work—Flanging Dies
36	Dome—Cap, Casing and Ring
37	Draw-Gear, Engine, Coupler, Uncoupling Rigging Front Buffers, Drawbars, Safety Chains and Bars All Drawgears F and B Drawgear, Tender—See 37 Draft Pipe—See 75 Dry Pipe—See 91
39	Eccentrics, Cranks, Straps and Rods Engine Truck—See 93
42	Erecting Cards—Elevations
43	Erecting Cards—Cross Sections
44	Exhaust Pipe and Nozzles Expansion Pad, Knee and Plate—See 48 Feed Water Attachments—See 55
45	Fire Door, Fire Brick and Tubes, Smoke Consumer Fire Box Ring—See 14 Fire Extinguisher—See 64
48	Frames and Details
49	Gauges, Templates and Jigs
50	Guides, Yoke and End
51	Grate Arrangement
52	Grate Details Hand Holes—See 66
53	Hand Rail and Steps, Engine and Tender
54	Headlights and Signal Attachments, Lamps, Electric Wiring, Builders License and Number Plates
55	Injectors, Boiler Checks and Strainers Keys—See 15

Group No.	TITLE
57	Lagging and Jacket Lamps—See 54
58	Link Motion Mud Drum—See 14 Number Plates—See 54
59	Oil and Grease Cups, Lubricator and Bracket, Oil Can Holder, Flange Lubricator
60	Oil Burning Attachments—Engine Oil Burning Attachments, Tender—See 82
61	Painting, Lettering and Numbering—Photo
62	Pilot and Snow Plows
63	Pipe Fittings and Clamps, Air, Steam, Water and Lubricator Pipe Fittings
64	Piping Arrangements, Engine and Tender, Air Brake, Cooling, Oil Heater, Sprinkler and Steam Heat Piping
65	Piston and Rod, Extensions, Rod Packing
66	Plugs, Hand Holes and Washout Push Pole Pocket—See 21
68	Reverse Lever, Screw and Pneumatic Gears
69	Reverse Shaft and Reach Rod
70	Rocker and Box
71	Running Boards & Brackets, Side and Deck Sheets
72	Rods—Connecting and Stubs Safety Valves—See 78
73	Sand Box, Sanders and Rigging Side Sheet, Cab—See 71 Signal Attachments—See 54
74	Shafts—Crank, Line, Square, Crank, Counterbalance, Couplings, Brasses, Pinions, Gears, etc.
75	Smoke Box Arrangement, Front and Door, Smoke Stack and Extensions, Smoke Box Braces Smoke Consumer—See 45 Speed Recorder—See 99
76	Springs Sprinkler—See 64 Steam Chests—See 32
78	Steam Gauge, Safety Valve and Turrets Steam Heat—See 64
79	Steam Pipes and Tee Heads Steps—See 53
80	Stoker and Details, Engine and Tender
81	Superheater, Header and Details Superheater Flues—See 14
82	Tank Valves—Oil and Water, Handle, Well, Goose Neck, Strainer, Hose
85	Tender Frames
87	Tender Deck, Tool Box
88	Tender Tank—Water and Oil, Filling Hole, Tank Funnel, Coal Gate, Coal Pusher Tender Truck—Shay Engines—See 93
91	Throttle and Dry Pipe—Lever, Supports, Sleeves Tires—See 95 Tool Boxes, Engine—See 23 Tool Boxes, Tender—See 87
92	Tools
93	Trucks and Details, Shay Engine, including Boxes and Bearings Tube Setting—See 14 Turret, Safety Valve—See 78 Turret, Air—See 20
94	Valves, Distribution—Stems, Rods, Valve Rod Crosshead and Packing Valve Rod Crosshead Guide—See 94 Waist Sheets—See 48
95	Wheels and Tires—Driving Engine, Truck, Trailing, Tender Wheels
96	Whistle and Rigging
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Material Specifications